CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GV/W.No.01/2021-22

Date: 15.10.2021

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri. G Venkategowda,** Contractor, Bangalore.
NAME OF THE WORK	:	Construction of Compound Wall and Improvements to Yelahanka Govt High School Premises at Yelahanka Old Town in Ward No.01, BBMP, Bangalore.
SAMPLE ID	:	Cement (Zuari OPC 53 Grade)
DATE OF MANUFACTURE		September - 2021
DATE OF TESTING		13.10.2021 to 15.10.2021
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	140 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	330 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00 %	-

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Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples collected at the site.

⇒ Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.

PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

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Job No.: CACE/BBMP/GV/W.No.01/2021-22 Date: 28.10.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
Agency	: **Sri. G Venkategowda,** Contractor, Bangalore.
Name of the work	: Construction of Compound Wall and Improvements to Yelahanka Govt High School Premises at Yelahanka Old Town in Ward No.01, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.10.2021	28.10.2021	8.174	342.2	15.21
	21.10.2021	28.10.2021	8.169	332.6	14.78
	21.10.2021	28.10.2021	8.156	329.4	14.64

A.E.E

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Authorised Signatory

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Job No.: CACE/BBMP/GV/W.No.01/2021-22 Date: 23.11.2021

TEST REPORT

Client	:	**Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
Agency	:	**Sri. G Venkategowda,** Contractor, Bangalore.
Name of the work	:	Construction of Compound Wall and Improvements to Yelahanka Govt High School Premises at Yelahanka Old Town in Ward No.01, BBMP, Bangalore.
Type of the test	:	Physical tests on Paver Blocks
Samples supplied by	:	AGENCY

The results of the tests conducted on the Paver Blocks sample are as follows:

1. THICKNESS:

Sl.No	Identification	Thickness, mm	Average thickness, mm
1	01	60.14	60.12
2	02	60.10	

2. COMPRESSIVE STRENGTH:

Sl. No	Identification	Load in Kilo-Newton	Cross sectional area, mm^2	Compressive strength N/mm^2	Compressive strength Kg/m^2	Requirement as Specification
1	01	689.5	24,200	28.49	284.9	Minimum required Compressive Strength of Individual Units 281 Kg/m^2
2	02	692.5	24,200	28.61	286.1	

A.E.E

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III. HARDNESS:

Sl. No.	Moh's scale Hardness No.
1	5
2	5
3	5
4	5
5	5
6	5

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